Department of Toxic Substances Control

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Community Protection and Hazardous Waste Reduction Initiative
Pilot Project Proposal Form

Instructions

This form contains fillable fields. Mouseover each field for additional instructions. Not all fields need to be completed for submission, and general responses are acceptable if more specific responses have not been developed.

1.0 Pilot Project Summary

Identify the primary components of this pilot project.

Waste Stream:	asbestos waste- new and legacy
Industry:	building renovation and mgmt, asbestos contractors, builders
Geography:	CA, US, international
Stakeholders:	EJ communities by landfills, landfills
Government:	EPA, DTSC, CalEPA, Air boards, water boards, CalRecycle

2.0 Pilot Project Details

Describe this pilot project and how it fits with the overall goals and objectives of the CPHWR Initiative. Characterize the waste(s) to be reduced and the implications.

CA generates huge volumes of asbestos contaminated wastes and also has legacy asbestos contaminated soils. It seems CA is irresponsible simply putting in piles elsewhere in CA and the country. If the waste can be treated to ensure it will never again be friable and a public health threat, it appears a better solution.

EJ communities don't need more wastes and until we find a way to better manage asbestos wastes being generated, we will continue to need new places to store the waste. No place is safe forever as long as the asbestos remains friable.

Research needs to be conducted to determine best method for long term treatment. Treating and making the waste into a cementacious product makes sense. That cementacious product can be re-purposed to back fill old quarries, excavations..... Vitrification should also be explored.

Research need to be conducted to find other ways to use this cementacious or vitrified waste.

Deep burial of the waste? It would have to be deep enough to never again become airborne.

3.0 Pilot Project Characteristics

Identify any applicable characteristics of this pilot project.

[✓] Source reduction or elimination
[✓] Provides a permanent solution

[✓] Long term reductions
[✓] Replicable

[✓] Decreases high volume waste
[✓] Decreases toxicity of waste

[ ] Economically beneficial
[ ] Stakeholders willing to participate

[✓] Minimizes or avoids disposal
[✓] Avoids media shifting

[ ] Short term reductions
[ ] Scalable

[✓] Decreases high toxicity waste
[ ] Reduces waste treatment impacts

[✓] Represents a viable alternative
[✓] Benefits EJ community

[ ] Other:

Describe how this pilot project addresses the characteristics identified above.

Until we stop generating so much asbestos contaminated waste, we will continue to overload our landfills.

We also need to treat this legacy waste as it will once again become an environmental hazard unless completely encapsulated or made into another material that keeps it bound and contained.

Finding ways to use this cementacious fill may be a challenge.

4.0 Pilot Project Considerations

Identify resources, tools and/or experts which can be used to gather information in support of this pilot project.

Research all options for managing this waste. Technology exists elsewhere, but needs to be vetted for CA and the US. See what other countries are doing.

Identify other agencies that may have jurisdiction where this pilot project will be implemented.

Air, water boards, DTSC, CalEPA, EPA

Identify areas of potential competing considerations and objectives (including technical, legal, environmental, social, and economic factors).

Costs of landfilling this waste MUST be more expensive than treating/making into a non-haz material.

Discuss other possible benefits in addition to decreasing the volume and toxicity of hazardous waste.

No more room for asbestos waste, so this should help reduce the new generation of waste.

What are other key items to consider in completing this pilot project?

Public, scientific, gov't and local acceptance that this is a better solution than current practices.

Identify the various approaches to implementing this pilot project.

Small pilot projects, start with those landfills closest to EJ. Also work on new asbestos generation- how to manage in short term while transporting to treatment plant.